



**STATE OF ILLINOIS**  
**ENVIRONMENTAL PROTECTION AGENCY**  
**NELAP - RECOGNIZED**  
**ENVIRONMENTAL LABORATORY ACCREDITATION**

is hereby granted to

**ARDL, INC.**  
**400 AVIATION DRIVE, P.O. BOX 1566**  
**MT. VERNON, IL 62864**

**NELAP ACCREDITED**  
**ACCREDITATION NUMBER #100308**



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley  
 Acting Manager  
 Environmental Laboratory Accreditation Program

Rebecca Hamblen  
 Accreditation Officer  
 Environmental Laboratory Accreditation Program

Certificate No.: 004081  
 Expiration Date: 04/30/2018  
 Issued On: 02/17/2017

**State of Illinois  
Environmental Protection Agency**

Certificate No.: 004081

**Awards the Certificate of Approval to:**

ARDL, Inc.  
400 Aviation Drive, P.O. Box 1566  
Mt. Vernon, IL 62864

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

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**FOT Name: Non Potable Water, Inorganic**

**Method: USEPA200.7,1994**

**Matrix Type: NPW/SCM**

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron
Lead	Magnesium
Manganese	Nickel
Potassium	Selenium
Silver	Sodium
Thallium	Vanadium
Zinc	

**Method: USEPA300.0R2.1,1993**

**Matrix Type: NPW**

Chloride	Fluoride
Nitrate	Orthophosphate (as P)
Sulfate	

**FOT Name: Non Potable Water, Organic**

**Method: USEPA608**

**Matrix Type: NPW**

4,4'-DDD	4,4'-DDE
4,4'-DDT	Aldrin
alpha-BHC	beta-BHC
delta-BHC	Dieldrin
Endosulfan I	Endosulfan II
Endosulfan sulfate	Endrin
Endrin aldehyde	gamma-BHC (Lindane)

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**FOT Name: Non Potable Water, Organic**

**Method: USEPA608**

**Matrix Type: NPW**

Heptachlor epoxide  
PCB-1016  
PCB-1232  
PCB-1248  
PCB-1260

Heptachlor  
Methoxychlor  
PCB-1221  
PCB-1242  
PCB-1254

**Method: USEPA624**

**Matrix Type: NPW**

1,1,1-Trichloroethane  
1,1,2-Trichloroethane  
1,1-Dichloroethene  
1,2-Dichloroethane  
1,3-Dichlorobenzene  
Acrylonitrile  
Bromodichloromethane  
Bromomethane  
Chlorobenzene  
Chloroform  
cis-1,3-Dichloropropene  
Dichloromethane (Methylene chloride)  
Methyl tert-butyl ether (MTBE)  
Toluene  
trans-1,3-Dichloropropene  
Trichlorofluoromethane  
Xylenes (total)

1,1,2,2-Tetrachloroethane  
1,1-Dichloroethane  
1,2-Dichlorobenzene  
1,2-Dichloropropane  
1,4-Dichlorobenzene  
Benzene  
Bromoform  
Carbon tetrachloride  
Chloroethane  
Chloromethane  
Dibromochloromethane  
Ethylbenzene  
Tetrachloroethene  
trans-1,2-Dichloroethene  
Trichloroethene  
Vinyl chloride

**Method: USEPA625**

**Matrix Type: NPW**

1,2,4-Trichlorobenzene  
1,3-Dichlorobenzene  
2,2-Oxybis (2-chloropropane)  
2,4,6-Trichlorophenol  
2,4-Dimethylphenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Chloronaphthalene

1,2-Dichlorobenzene  
1,4-Dichlorobenzene  
2,4,5-Trichlorophenol  
2,4-Dichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol

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**FOT Name: Non Potable Water, Organic**

**Method: USEPA625**

**Matrix Type: NPW**

2-Nitrophenol  
4-Bromophenyl phenyl ether  
4-Chlorophenyl phenyl ether  
Acenaphthene  
Anthracene  
Benzo(a)pyrene  
Benzo(g,h,i)perylene  
Benzyl butyl phthalate  
Bis(2-chloroethyl) ether  
Chrysene  
Diethyl phthalate  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobenzene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
Phenanthrene  
Pyrene

2-Methyl-4,6-dinitrophenol  
3,3'-Dichlorobenzidine  
4-Chloro-3-methylphenol  
4-Nitrophenol  
Acenaphthylene  
Benzo(a)anthracene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Dibenz(a,h)anthracene  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorobutadiene  
Hexachloroethane  
Isophorone  
Nitrobenzene  
N-Nitrosodi-n-propylamine  
Pentachlorophenol  
Phenol

**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 1311**

**Matrix Type: NPW/SCM**

TCLP (Organic and Inorganic)

**Method: 6010B**

**Matrix Type: NPW/SCM**

Aluminum	Antimony
Arsenic	Barium
Beryllium	Boron
Cadmium	Calcium
Chromium	Cobalt
Copper	Iron

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**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 6010B**

**Matrix Type: NPW/SCM**

Magnesium  
Nickel  
Selenium  
Sodium  
Vanadium

Lead  
Manganese  
Potassium  
Silver  
Thallium  
Zinc

**Method: 6010C**

**Matrix Type: NPW/SCM**

Aluminum  
Arsenic  
Beryllium  
Cadmium  
Chromium  
Copper  
Lead  
Manganese  
Potassium  
Silver  
Thallium  
Zinc

Antimony  
Barium  
Boron  
Calcium  
Cobalt  
Iron  
Magnesium  
Nickel  
Selenium  
Sodium  
Vanadium

**Method: 7470A**

**Matrix Type: NPW/SCM**

Mercury

**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8021B**

**Matrix Type: NPW/SCM**

MTBE (Methyl-t-butyl ether)

**Method: 8081B**

**Matrix Type: NPW/SCM**

4,4'-DDD  
4,4'-DDT  
alpha-BHC  
beta-BHC  
Dieldrin

4,4'-DDE  
Aldrin  
alpha-Chlordane  
delta-BHC  
Endosulfan I

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8081B**

**Matrix Type: NPW/SCM**

Endosulfan sulfate  
 Endrin aldehyde  
 gamma-BHC (Lindane)  
 Heptachlor  
 Methoxychlor

Endosulfan II  
 Endrin  
 Endrin ketone  
 gamma-Chlordane  
 Heptachlor epoxide

**Method: 8082**

**Matrix Type: NPW/SCM**

PCB-1016  
 PCB-1232  
 PCB-1248  
 PCB-1260

PCB-1221  
 PCB-1242  
 PCB-1254

**Method: 8260B**

**Matrix Type: NPW/SCM**

1,1,1,2-Tetrachloroethane  
 1,1,2,2-Tetrachloroethane  
 1,1-Dichloroethane  
 1,1-Dichloropropene  
 1,2,3-Trichloropropane  
 1,2,4-Trimethylbenzene  
 1,2-Dibromoethane (EDB)  
 1,2-Dichloroethane  
 1,3,5-Trimethylbenzene  
 1,3-Dichloropropane  
 2,2-Dichloropropane  
 2-Chlorotoluene  
 4-Chlorotoluene  
 Acetone  
 Benzene  
 Bromochloromethane  
 Bromoform  
 Carbon disulfide  
 Chlorobenzene  
 Chloroethane

1,1,1-Trichloroethane  
 1,1,2-Trichloroethane  
 1,1-Dichloroethene  
 1,2,3-Trichlorobenzene  
 1,2,4-Trichlorobenzene  
 1,2-Dibromo-3-chloropropane (DBCP)  
 1,2-Dichlorobenzene  
 1,2-Dichloropropane  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 2-Butanone (Methyl ethyl ketone, MEK)  
 2-Hexanone  
 4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)  
 Acrylonitrile  
 Bromobenzene  
 Bromodichloromethane  
 Bromomethane  
 Carbon tetrachloride  
 Chlorodibromomethane (Dibromochloromethane)  
 Chloroform

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8260B**

**Matrix Type: NPW/SCM**

cis-1,2-Dichloroethene  
Dibromomethane  
Dichloromethane (Methylene chloride)  
Hexachlorobutadiene  
m&p-xylene  
Naphthalene  
n-Propylbenzene  
p-Isopropyltoluene  
Styrene  
Tetrachloroethene  
trans-1,2-Dichloroethene  
Trichloroethene  
Vinyl chloride

Chloromethane  
cis-1,3-Dichloropropene  
Dichlorodifluoromethane  
Ethylbenzene  
Isopropylbenzene  
Methyl-t-butyl ether  
n-Butylbenzene  
o-Xylene  
sec-Butylbenzene  
tert-Butylbenzene  
Toluene  
trans-1,3-Dichloropropene  
Trichlorofluoromethane  
Xylenes (Total)

**Method: 8260C**

**Matrix Type: NPW/SCM**

1,1,1,2-Tetrachloroethane  
1,1,2,2-Tetrachloroethane  
1,1-Dichloroethane  
1,1-Dichloropropene  
1,2,3-Trichloropropane  
1,2,4-Trimethylbenzene  
1,2-Dibromoethane  
1,2-Dichloroethane  
1,3,5-Trimethylbenzene  
1,3-Dichloropropane  
2,2-Dichloropropane  
2-Chlorotoluene  
4-Chlorotoluene  
Acetone  
Benzene  
Bromochloromethane  
Bromoform  
Carbon disulfide  
Chlorobenzene

1,1,1-Trichloroethane  
1,1,2-Trichloroethane  
1,1-Dichloroethene  
1,2,3-Trichlorobenzene  
1,2,4-Trichlorobenzene  
1,2-Dibromo-3-chloropropane  
1,2-Dichlorobenzene  
1,2-Dichloropropane  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
2-Butanone (MEK)  
2-Hexanone  
4-Methyl-2-pentanone (MIBK)  
Acrylonitrile  
Bromobenzene  
Bromodichloromethane  
Bromomethane  
Carbon tetrachloride  
Chlorodibromomethane

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8260C**

**Matrix Type: NPW/SCM**

Chloroform  
cis-1,2-Dichloroethene  
Dibromomethane  
Ethylbenzene  
Isopropylbenzene  
Methyl tert-butyl ether (MTBE)  
Naphthalene  
n-Propylbenzene  
p-Isopropyltoluene  
Styrene  
Tetrachloroethene  
trans-1,2-Dichloroethene  
Trichloroethene  
Vinyl chloride

Chloroethane  
Chloromethane  
cis-1,3-Dichloropropene  
Dichlorodifluoromethane  
Hexachlorobutadiene  
m&p-xylene  
Methylene chloride  
n-Butylbenzene  
o-Xylene  
sec-Butylbenzene  
tert-Butylbenzene  
Toluene  
trans-1,3-Dichloropropene  
Trichlorofluoromethane  
Xylenes (total)

**Method: 8270C**

**Matrix Type: NPW/SCM**

1,2,4,5-Tetrachlorobenzene  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
2,2-Oxybis (1-chloropropane)  
2,4,6-Trichlorophenol  
2,4-Dimethylphenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Chloronaphthalene  
2-Methylnaphthalene  
2-Nitroaniline  
3,3'-Dichlorobenzidine  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Chlorophenyl phenyl ether  
4-Nitroaniline  
Acenaphthene  
Anthracene  
Benzo(a)pyrene

1,2,4-Trichlorobenzene  
1,2-Diphenylhydrazine  
1,4-Dichlorobenzene  
2,4,5-Trichlorophenol  
2,4-Dichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol  
2-Methylphenol (o-Cresol)  
2-Nitrophenol  
3-Nitroaniline  
4-Bromophenyl phenyl ether  
4-Chloroaniline  
4-Methylphenol (p-Cresol)  
4-Nitrophenol  
Acenaphthylene  
Benzo(a)anthracene  
Benzo(b)fluoranthene



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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8270C**

**Matrix Type: NPW/SCM**

Benzo(k)fluoranthene  
Benzyl alcohol  
Bis(2-chloroethyl) ether  
Butyl benzyl phthalate  
Chrysene  
Dibenzofuran  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorobutadiene  
Hexachloroethane  
Isophorone  
Nitrobenzene  
N-Nitrosodi-n-propylamine  
Pentachlorophenol  
Phenol  
Pyridine

Benzo(g,h,i)perylene  
Benzoic acid  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Carbazole  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobenzene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
Phenanthrene  
Pyrene

**Method: 8270D**

**Matrix Type: NPW/SCM**

1,2,4,5-Tetrachlorobenzene  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
2,2-Oxybis (1-chloropropane)  
2,4,6-Trichlorophenol  
2,4-Dimethylphenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Chloronaphthalene  
2-Methylnaphthalene  
2-Nitroaniline  
3,3'-Dichlorobenzidine  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Chlorophenyl phenyl ether  
4-Nitroaniline

1,2,4-Trichlorobenzene  
1,2-Diphenylhydrazine  
1,4-Dichlorobenzene  
2,4,5-Trichlorophenol  
2,4-Dichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol  
2-Methylphenol (o-Cresol)  
2-Nitrophenol  
3-Nitroaniline  
4-Bromophenyl phenyl ether  
4-Chloroaniline  
4-Methylphenol (p-Cresol)  
4-Nitrophenol

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8270D**

**Matrix Type: NPW/SCM**

Acenaphthylene  
Benzo(a)anthracene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Benzyl alcohol  
Bis(2-chloroethyl) ether  
Butyl benzyl phthalate  
Chrysene  
Dibenzofuran  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorobutadiene  
Hexachloroethane  
Isophorone  
Nitrobenzene  
N-Nitrosodi-n-propylamine  
Pentachlorophenol  
Phenol  
Pyridine

Acenaphthene  
Anthracene  
Benzo(a)pyrene  
Benzo(g,h,i)perylene  
Benzoic acid  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Carbazole  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobenzene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
Phenanthrene  
Pyrene

**Method: 8330**

**Matrix Type: NPW/SCM**

1,3,5-Trinitrobenzene (1,3,5-TNB)  
2,4,6-Trinitrotoluene (2,4,6-TNT)  
2,6-Dinitrotoluene (2,6-DNT)  
4-Amino-2,6-dinitrotoluene (4-Am-DNT)  
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)  
Nitrobenzene  
o-Nitrotoluene (2-Nitrotoluene, 2-NT)

1,3-Dinitrobenzene (1,3-DNB)  
2,4-Dinitrotoluene (2,4-DNT)  
2-Amino-4,6-dinitrotoluene (2-Am-DNT)  
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)  
m-Nitrotoluene (3-Nitrotoluene, 3-NT)  
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HM)  
p-Nitrotoluene (4-Nitrotoluene, 4-NT)

**Method: 8330A**

**Matrix Type: SCM**

1,3,5-Trinitrobenzene (1,3,5-TNB)  
2,4,6-Trinitrotoluene (2,4,6-TNT)

1,3-Dinitrobenzene (1,3-DNB)  
2,4-Dinitrotoluene (2,4-DNT)

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8330A**

**Matrix Type: SCM**

2-Amino-4,6-dinitrotoluene (2-Am-DNT)  
3-Nitrotoluene (3-NT)  
4-Nitrotoluene (4-NT)  
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)  
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine(HM).

2,6-Dinitrotoluene (2,6-DNT)  
2-Nitrotoluene (2-NT)  
4-Amino-2,6-dinitrotoluene (4-Am-DNT)  
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)  
Nitrobenzene